

## Abstract

- **Title:** Analysis of overhead throw in baseball
- **Objectives:** to describe the work of muscles musculus trapezius dexter, sinister and musculus pectoralis major dexter, sinister during the classic side overhead throw, the throw without using left arm, the front throw, the pitch from the floor and the pitch from the pitching hill using the surface electromyography; to compare all types of the throws and to determine the differences between them
- **Methods:** surface elektromyography, video content analysis
- **Results:** based on the results of the analysis we can say, that the activity of the chosen muscles during the various types of throws differs in intensity and in the duration of action potencial as well
- **Keywords:** baseball, surface elktromyography, overhead throw, throw without using left hand, front throw, pitch